

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): System for distribution of audio/video signals comprising audio/video signal sources (MGT, DVD, C, HIFI) and audio/video signal receivers (TV1, TV2, TV3, TV4), and a central processing and multiplexing unit (MDS, MDS'), characterised in that it comprises a twisted pairs service network (PS) for routing audio/video signals derived from sources to the central processing and multiplexing unit and a twisted pairs distribution network (PD) to carry the processed and multiplexed audio/video signals output from the processing and multiplexing unit to the receivers.
2. (currently amended): System according to claim 1, also including means (RIR) of inputting control signals that can be routed on the ~~control signals~~ service network.
3. (previously presented): System according to claim 1, also including connection means (RJ) on which signal sources can be connected to send signals and to receive control signals on the service network.
4. (previously presented): System according to claim 1, also including input modulators (MDL) associated with corresponding connection means (RJ) to modulate signals to be routed on the service network.

5. (previously presented): System according to claim 1, also including coaxial cable terminals (F) on which a coaxial cable (CX) leading to a TV receiver (TV1, TV2, TV3, TV4) can be connected.

6. (previously presented): System according to claim 1, also including adapters (BL) associated with coaxial terminals (F) to adapt a processed signal output from the distribution network to be routed on a coaxial cable.

7. (previously presented): System according to claim 1, also including multiplexing means (MX, mxx) to multiplex control signals on the service network and to multiplex the modulated TV signals on the distribution network.

8. (previously presented): System according to claim 1, also including a processing unit (U1) to process the multiplexed modulated signals output from the service network so as to route them on the distribution network.

9. (previously presented): System according to claim 1, also including processing means (ut) for individually processing the modulated signals output from the service network before routing them to multiplexing means (MX).

10. (original): System according to claim 7, in which the multiplexing means (mxs) multiplex the control signals output from the service network to reinject them onto the service network.

11. (previously presented): System according to claim 1, in which the control signal input means include a wave receiver (RIR) associated with a remote control (TC1, TC2, TC3, TC4).

12. (previously presented): System according to claim 1, including a box integrating:
a- the input modulators (MDL) associated with corresponding connection means (RJ) to modulate signals output from sources,

b- output adapters (BL) associated with corresponding coaxial terminals (F) to adapt the signal output from the distribution network,

c- means (RIR) of inputting control signals that can be routed on the service network,

d- connection means (RJ) onto which signal sources can be connected to send video signals and to receive control signals on the service network,

e- coaxial cable terminals (F) to which a coaxial cable (CX) connecting to a TV receiver can be connected, and

f- means (CPT) of connection to the distribution network and the service network.

13. (previously presented): System according to claim 1, in which the distribution network and the service network are formed from a single previously installed network of cables consisting of twisted wire pairs (PT).

14. (previously presented): System according to claim 1, in which the multiplexing means (MX, mxs) are also connected to external video signal sources (ANT, PRB, TS1, TS2) processed later in the processing unit (U1) so that they can be transferred onto the distribution network.

15. (original): System according to claim 14, in which the external sources include antennas (ANT, PRB) and / or satellite terminals (TS1, TS2).

16. (original): System for distribution of audio/video signals, comprising:
audio or video signal sources;
audio or video signal receivers;
a central processing and multiplexing unit; and
a twisted pairs network comprising four pairs of twisted wires;
wherein one pair of the twisted pairs network is a service pair that routes source signals and control signals to the central processing and multiplexing unit; and
wherein a different pair of the twisted pairs network is a distribution pair that routes processed signals from the central processing and multiplexing unit to the receivers.